|   | Index of Claims |            |  |          |   |          |          |           |          |         |    |            |                 | A               | Application/Control No. |                              |           |          |           |              |           |               |          |               | Applicant(s)/Patent under Reexamination |               |         |        |              |          |                 |           |  |   |   |
|---|-----------------|------------|--|----------|---|----------|----------|-----------|----------|---------|----|------------|-----------------|-----------------|-------------------------|------------------------------|-----------|----------|-----------|--------------|-----------|---------------|----------|---------------|---|---------------|---------|--------|--------------|----------|-----------------|-----------|--|---|---|
|   |                 |            |  |          |   |          |          |           |          |         |    |            |                 | 09/991,197      |                         |                              |           |          |           |              |           |               |          | KRAMER ET AL. |   |               |         |        |              |          |                 |           |  |   |   |
|   |                 |            |  |          |   |          |          |           |          |         |    |            |                 |                 | Examiner                |                              |           |          |           |              |           |               |          | Art Unit      |   |               |         |        |              |          |                 |           |  |   |   |
|   |                 |            |  |          |   |          |          |           |          |         |    |            |                 |                 | Si                      | Siegfried E. Chencinski 3692 |           |          |           |              |           |               |          |               |   |               |         |        |              |          |                 |           |  |   |   |
|   | √ Rejected —    |            |  |          |   |          |          |           |          |         |    |            | (Through numera |                 |                         |                              |           |          | N         | N Non-E      |           |               | ted      |               | A                                       | Appeal        |         |        |              |          |                 |           |  | • |   |
|   | = Allowed       |            |  |          |   |          |          |           |          | ÷       |    | Restricted |                 |                 |                         |                              |           |          | 1         | Int          | terf      | erer          | ice      |               | 0                                       |               | Obj     | ect    | ed           |          |                 |           |  |   |   |
| 1 | Claim 0         |            |  |          |   |          | Date     |           |          |         |    | Claim      |                 |                 |                         | Dat                          |           |          | e         |              |           | ר ר           | Claim    |               |   |               | Date    |        |              |          |                 | $\neg$    |  |   |   |
|   |                 |            | 1  |          |   |          |          | П         |          |         |    | 1          |                 |                 |                         |                              |           | П        |           |              | 7         |               |          | П             |   |               |         |        |              |          |                 |           |  |   |   |
|   | Final           | Original   | 3-22   |          |   |          |          |           |          |         |    | Final      | Original        |                 | ,                       |                              |           |          |           |              |           |               | Final    | Original      |   |               |         |        |              |          |                 |           |  |   |   |
|   |                 | (1)        | 7  |          |   |          |          |           | $\Box$   |         |    |            | 51              |                 |                         | _                            | $\Box$    |          |           |              |           | 7             |          | 101           | П                                       | _             | T       | I      | L            |          |                 | 4         |  |   |   |
|   |                 | 3          | H  | -        |   |          |          |           | -        | _       | +  |            | 52<br>53        | $\vdash$        | $\dashv$                | $\dashv$                     | +         | -        | $\dashv$  | $\dashv$     | +         | ╣             |          | 102<br>103    | $\vdash$                                | +             | +       | ╁      | ╁            | $\vdash$ |                 | $\dashv$  |  |   |   |
|   |                 | 4.         |  |          |   |          |          |           |          |         | 1  |            | 54              |                 |                         |                              |           |          |           | $\perp$      |           | _             |          | 104           |   | ightharpoonup | 丄       | İ      |              |          |                 | コ         |  |   |   |
|   |                 | 5          | $\!$ |          |   |          |          |           | _        | -       | -  | -          | 55<br>56        | $\vdash$        | $\dashv$                | -                            | _         | _        | $\dashv$  | +            | -         | 4             |          | 105<br>106    | $\sqcup$                                |               | -       | +      | ╀            | -        | $\vdash$        | $\dashv$  |  |   |   |
|   |                 | 7          | ╫  |          |   | Н        |          |           | $\dashv$ |         | ┨  |            | 57              | $\vdash$        | $\dashv$                | 1                            | +         | +        | $\dashv$  | $\dashv$     | +         | $\dashv$      |          | 107           | $\vdash$                                | $\dashv$      |         | ╁      | ╁            | $\vdash$ | $\vdash$        | $\dashv$  |  |   |   |
|   |                 | 8          |  |          |   |          |          |           |          |         | 1  |            | 58              |                 |                         |                              | $\Box$    |          |           | ightharpoons |           | ]             |          | 108           |   |               |         | I      |              |          |                 |           |  |   |   |
| * |                 | 9<br>10    | -  | _        |   |          |          |           | _        |         | 4  |            | 59<br>60        | $\vdash$        | _                       | $\dashv$                     | _         |          | $\dashv$  | _            | +         | -             |          | 109<br>110    |   | -+            | -       | +      | +            | $\vdash$ | $\vdash$        | _         |  |   |   |
|   |                 | 11         | +  |          |   |          |          |           | +        |         | ┪  |            | 61              | ╁               | $\dashv$                | $\dashv$                     | $\dashv$  |          | $\dashv$  | $\dashv$     | +         | ┤             |          | 111           | H                                       | $\dashv$      | +       | +      | +            | $\vdash$ | $\Box$          | _         |  |   |   |
|   |                 | 12_        | $\prod$  |          |   |          |          |           |          |         | ]  |            | 62              |                 |                         | $\Box$                       | $\Box$    |          |           | $\dashv$     |           | ]             |          | 112           |   | $\dashv$      | $\perp$ |        | 1            |          |                 |           |  |   |   |
|   |                 | (13<br>14  | <del> </del>   | $\vdash$ | _ |          |          |           | _        |         | ┨  |            | 63<br>64        | H               | -                       | -                            |           |          | $\dashv$  | $\dashv$     | +         | -             |          | 113<br>114    | $\vdash$                                | $\dashv$      | +       | ╁      | +            | -        | H               | 4         |  |   |   |
|   |                 | 15         |  |          |   |          |          |           | $\neg$   |         | 1  |            | 65              |                 | $\dashv$                |                              | $\dashv$  | $\dashv$ |           | $\dashv$     | $\dagger$ | 1             |          | 115           |   |               |         | 1      | İ            |          |                 |           |  |   |   |
|   |                 | 16         | $\prod$  |          |   |          |          |           |          |         | ]  |            | 66              |                 |                         |                              | _         |          | $\exists$ | $\perp$      | $\perp$   | ]             |          | 116           |   | $\perp$       | 1       | $\bot$ | F            |          |                 | _         |  |   |   |
|   |                 | 18         | ₩  |          |   |          |          |           | $\dashv$ |         | ┨  | _          | 67<br>68        | $\vdash$        | $\dashv$                | $\dashv$                     | +         | $\dashv$ | $\dashv$  | +            | +         | +             |          | 117<br>118    | H                                       | +             | +       | +      | ╁            | $\vdash$ | $\vdash$        | $\dashv$  |  |   |   |
|   |                 | 19         |  |          |   |          |          |           |          |         | _  |            | 69              |                 |                         |                              |           |          |           |              |           | 1             |          | 119           |   |               |         |        |              |          |                 |           |  |   |   |
|   |                 | 20         | $\blacksquare$   | _        |   |          |          |           |          |         | ]  |            | 70              |                 | 4                       | _                            |           | $\dashv$ | _         | _            | _ _       | 4             |          | 120           |   | 4             | 1       | 1      | 1            | _        |                 |           |  |   |   |
|   |                 | 21<br>22   | ╫  | -        | _ | _        |          |           | $\dashv$ |         | ┨  | -          | 71<br>72        | $\vdash$        | $\dashv$                | +                            | $\dashv$  | ᆉ        | $\dashv$  | -            | +         | $\dashv$      |          | 121<br>122    | Н                                       | +             | +-      | +      | +-           | +-       | $\vdash$        |           |  |   |   |
|   |                 | 23         |  |          |   |          |          |           |          |         | j  |            | 73              |                 |                         |                              |           |          |           |              |           | ]             |          | 123           |   |               |         |        |              |          |                 |           |  |   |   |
|   |                 | 24         | $\parallel$  | _        | _ | _        |          |           | _        |         | -  | <u> </u>   | 74              |                 | 4                       | 4                            | _         | _        | $\dashv$  | -            | - -       | 4             |          | 124           | -                                       |               | +       | +-     | ╁┈           | -        | $\sqcup$        | 4         |  |   |   |
|   |                 | (25)<br>26 | ╫  |          |   |          |          |           | $\dashv$ |         | ┨  |            | 75<br>76        | $\vdash$        | $\dashv$                | $\dashv$                     | $\dashv$  |          | $\dashv$  | $\dashv$     | +         | $\dashv$      |          | 125<br>126    | $\vdash$                                | +             | +       | +      | +            | ┼        | -               | $\dashv$  |  |   |   |
|   |                 | 27         |  |          |   |          |          |           |          |         | ]  |            | 77              |                 |                         |                              |           |          |           |              |           | ]             |          | 127           |   |               |         |        |              |          |                 |           |  |   |   |
|   |                 | 28<br>29   | ╙  |          |   |          |          |           | _        | _       | -  |            | 78<br>79        | $\vdash$        | _                       | $\dashv$                     | $\dashv$  | 4        | 4         | +            | +         | 4 !           |          | 128<br>129    | -                                       |               | +       | +      | +            | ├        | -               | $\dashv$  |  |   |   |
| , |                 | 30         | ╫  |          |   | $\dashv$ |          |           | +        | -       | ┨  |            | 80              | $\vdash$        | $\dashv$                | $\dashv$                     | $\dashv$  | $\dashv$ | $\dashv$  | +            | +         | +             |          | 130           | $\vdash$                                | +             | +       | +      | +            | ┼-       |                 | $\dashv$  |  |   |   |
|   |                 | 31         |  |          |   |          |          |           |          |         | 1  |            | 81              |                 |                         | $\exists$                    | $\Box$    |          | $\Box$    |              | I         |               |          | 131           | П                                       |               | 上       |        |              |          |                 |           |  |   |   |
|   |                 | 32<br>33   | #  |          |   |          |          |           |          | -       | -  |            | 82<br>83        |                 | -                       | +                            | _         | _        | _         | +            |           | -             |          | 132<br>133    | $\vdash$                                | +             | +       | +      | ╀            | $\vdash$ |                 | $\dashv$  |  |   |   |
|   |                 | 34         | ╫  | 7        |   | $\dashv$ |          | ᅱ         | _        | +       | 1  |            | 84              |                 | $\dashv$                | $\dashv$                     | -         | _        | $\dashv$  | $\dashv$     | $\dashv$  |               |          | 134           | $\vdash$                                | 十             | ╁       | +      | +            | +        | H               | $\dashv$  |  |   |   |
|   |                 | 35         | i/   |          |   |          |          |           |          |         | 1  |            | 85              |                 |                         |                              |           |          | $\Box$    |              |           | ] !           |          | 135           |   | $\Box$        |         |        |              |          |                 |           |  |   | • |
|   |                 | 36<br>37   | _  | _        |   | _        |          | $\dashv$  | 4        | +       | -  | <u> </u>   | 86<br>87        |                 | -                       | $\dashv$                     |           |          | $\dashv$  | -            | +         | -             |          | 136<br>137    | $\vdash \vdash$                         | $\dashv$      | +       | +      | ╀            | ┼        |                 | $\dashv$  |  |   |   |
|   |                 | 38         | ┢  | $\vdash$ |   |          |          | $\dashv$  | -        | +       | 1  |            | 88              | Н               |                         | +                            | +         |          | $\dashv$  | +            | ╅         | 1             |          | 138           | H                                       | +             | +-      | +      | ╁            | +        | H               | ┪         |  |   |   |
|   |                 | 39         |  |          |   |          |          |           |          |         | 1  |            | 89              |                 |                         | $\Box$                       | $\Box$    |          | $\Box$    | $\Box$       |           | ] [           |          | 139           |   | $\Box$        |         | I      |              |          |                 |           |  |   | , |
|   |                 | 40<br>41   |  | _        |   |          |          |           | -        |         | ┨. | -          | 90<br>91        | $\vdash$        | -                       | $\dashv$                     | +         | +        | $\dashv$  | -            | - -       | -             |          | 140<br>141    | $\left  - \right $                      | -             |         | +      | +-           | -        | $\vdash$        | $\dashv$  |  |   |   |
|   |                 | 42         |  |          |   |          |          | $\exists$ |          | $\perp$ | 1  |            | 92              |                 |                         | 寸                            | $\exists$ |          |           | $\pm$        | $\pm$     | _             |          | 142           |   |               | $\pm$   | 1      |              |          |                 | $\exists$ |  |   |   |
|   |                 | 43         |  |          | П | $\Box$   |          | $\exists$ | $\Box$   | T       | -  |            | 93              | П               | $\exists$               | $\dashv$                     | $\Box$    | $\Box$   | $\exists$ | $\bot$       | Ţ         | ] .           |          | 143           | П                                       | 1             | Ţ       | T      |              |          | П               | $\exists$ |  |   |   |
|   |                 | 44<br>45   | -  | -        | Н |          | $\dashv$ | $\dashv$  | $\dashv$ | +       | -  |            | 94<br>95        | H               | $\dashv$                | +                            | +         | -        | $\dashv$  | +            | +         | $\dashv$      | <b>_</b> | 144<br>145    | $\vdash$                                | $\dashv$      | +       | +      | +            | $\vdash$ | $\vdash$        | $\dashv$  |  |   |   |
|   |                 | 46         |  |          | H |          |          |           | _†       | ╧       | j  |            | 96              |                 | _                       |                              |           |          | _         | $\pm$        | $\perp$   |               |          | 146           |   | $\exists$     | 士       | 士      | 1            |          |                 |           |  |   |   |
|   |                 | 47         |  | Ē        |   |          |          |           | $\Box$   |         |    |            | 97              |                 |                         | $\Box$                       | $\Box$    |          | $\Box$    | 4            | $\perp$   | ]             |          | 147           |   | 4             | $\perp$ | T      | $oxed{\Box}$ |          |                 | $\Box$    |  |   |   |
|   |                 | 48<br>49   | -  | -        | Н | $\vdash$ | $\dashv$ | $\dashv$  | $\dashv$ | +       | ┨  |            | 98<br>99        | $\vdash \vdash$ | $\dashv$                | $\dashv$                     | $\dashv$  | $\dashv$ | $\dashv$  | $\dashv$     | +         | $\dashv \mid$ |          | 148<br>149    | $\vdash$                                | +             | +       | +      | +-           | $\vdash$ | $\vdash \vdash$ | $\dashv$  |  |   |   |
|   |                 | 50         |  |          |   |          |          |           | 工        |         | j  |            | 100             | П               | 士                       |                              | 士         | 丁        |           | $\exists$    | $\pm$     | ]             |          | 150           |   | 士             | $\perp$ | 上      | $\perp$      |          |                 | ╛         |  |   |   |